

WHAT IS CLAIMED IS:

1. A rock drilling rig comprising
a carrier,
at least one feeding beam,
a rock drilling apparatus movable in relation to the feeding beam
and having a percussion device,
one or more sensors arranged to the rock drilling apparatus to monitor the operation of the rock drilling apparatus,
at least one first control unit arranged on the carrier of the rock drilling rig to control the operation of the drilling apparatus on the basis of measuring information received from the sensors,
a second control unit arranged to the rock drilling apparatus,
a data communications link between the first control unit and the second control unit for transmitting information between the control units,
the sensors monitoring the operation of the rock drilling apparatus are connected to transmit measuring information to the second control unit,
the second control unit comprises a memory unit for storing basic settings for the drilling apparatus and a processing unit for calculating parameters describing the operating state of the rock drilling apparatus on the basis of said basic settings and measuring information, and
the first control unit is arranged to control the operation of the rock drilling apparatus on the basis of the parameters received from the second control unit and instructions given to the first control unit.
2. A rock drilling rig as claimed in claim 1, wherein
the second control unit is arranged inside the body of the rock drilling apparatus
and at least some of the sensors are integrated as part of the second control unit.
3. A rock drilling rig as claimed in claim 1, wherein
the first data communications link between the first control unit and the second control unit is a CAN bus.
4. A rock breaking machine comprising
a body,
a percussion device arranged inside the body to generate impact pulses to a tool connectable to the rock breaking machine,

one or more sensors arranged to monitor the operation of the apparatus,

a control unit,

said sensors are arranged to transmit measuring information to the control unit,

the control unit comprises a memory unit for storing basic settings for the rock breaking machine and further a processing unit that is, during operation, arranged to form parameters describing the operating state of the rock breaking machine on the basis of the basic settings and measuring information, and

the control unit comprises an connection to a data communications link that enables communication between the control unit and at least one unit external to the rock breaking machine for controlling the operation of the rock breaking machine so as to achieve the desired operating state of the rock breaking machine.

5. A rock breaking machine as claimed in claim 4, wherein the control unit is arranged inside the body of the rock breaking machine

and at least some of the sensors are integrated as part of the control unit.